
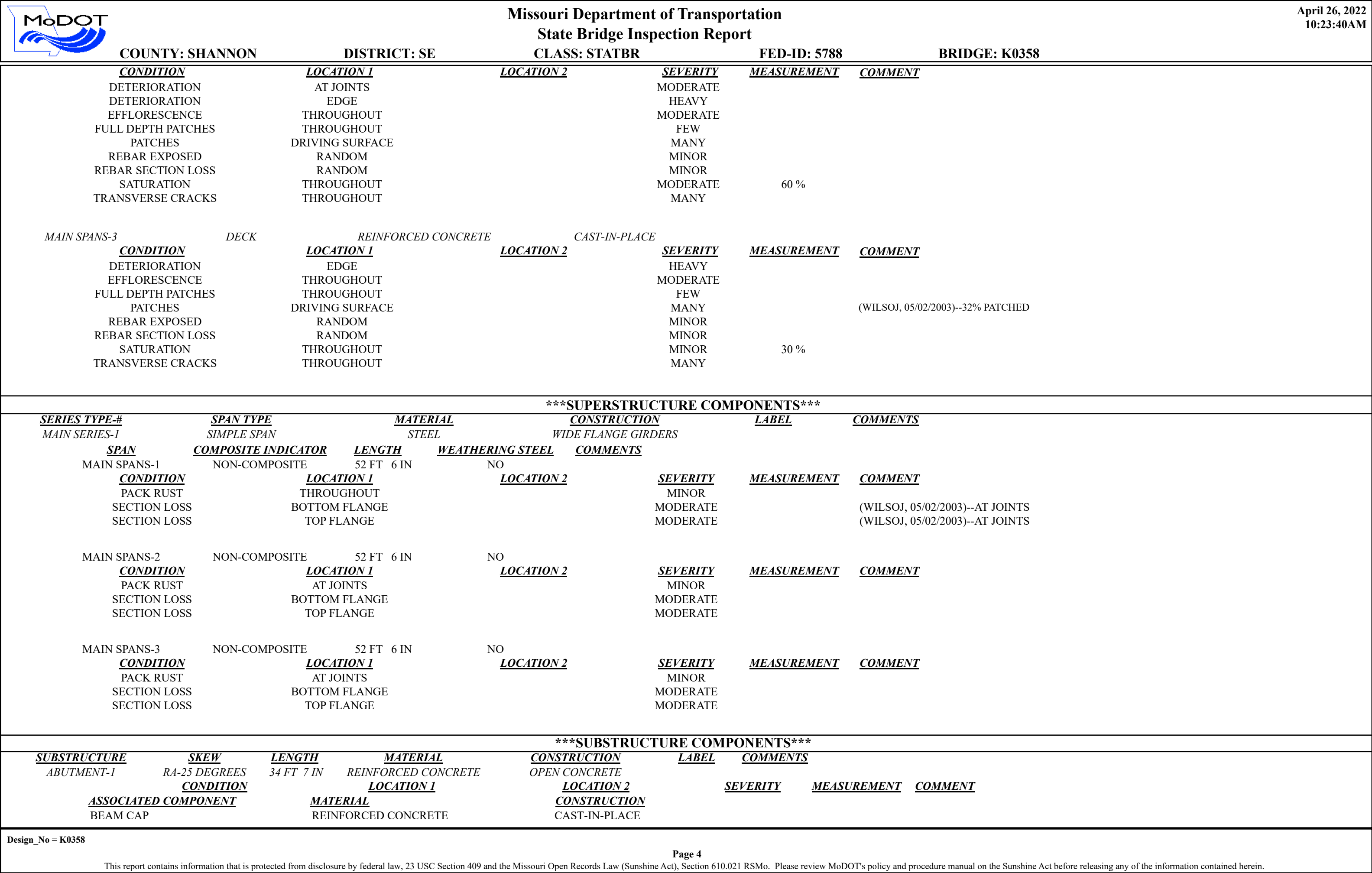
		Missouri Department of Transportation			April 26, 2022	
		State Bridge Inspection Report			10:23:40AM	
COUNTY: SHANNON		DISTRICT: SE	CLASS: STATBR	FED-ID: 5788	BRIDGE: K0358	
***STRUCTURE POSTING***						
APPROVED CATEGORY: S-1		NO POSTING REQUIRED				
Ton 1:		Ton 2:		Ton 3:		
COMMENTS:						
FIELD CATEGORY: S-1		NO POSTING REQUIRED				
Ton 1:		Ton 2:		Ton 3:	PROBLEM:	PROBLEM DIRECTION:
COMMENTS:						
***GENERAL COMMENTS/MAJOR RATED ITEMS***						
GENERAL COMMENTS: (BOWDEJ1, 08/28/2008)--(52'-52'-52') SMP WF GDR SPANS						
[ITEM 58] DECK: 4-POOR CONDITION			COMMENTS: (DENNIB1, 12/19/2018)--EDGE DETERIORATION, SATURATION IN MIDDLE SPAN			
RATING : 12/19/2018						
[ITEM 59] SUPER: 5-FAIR CONDITION			COMMENTS: (DENNIB1, 12/19/2018)--FLANGE RUSTING & SECTION LOSS			
RATING : 12/19/2018						
[ITEM 60] SUB: 5-FAIR CONDITION			COMMENTS: (HOPPED, 12/19/2012)--ABUNT 4, DETERIORATION AT BEARINGS			
RATING : 05/18/2001						
[ITEM 61] BANK/CHANNEL: 5-MAJOR DAMAGE			COMMENTS: (STEGEC, 02/09/2011)--MODERATE SCOUR AT BENTS 2 AND 3			
RATING : 12/19/2018						
[ITEM 113] SCOUR: 8-STABLE FOR CALCULATED			COMMENTS:			
RATING : 05/18/2001						
EVALUATION TYPE :						
[ITEM 71] WATERWAY ADEQUACY: DECK ABOVE FLOOD ELEV			COMMENTS:			
RATING : 05/18/2001						
[ITEM 72] APPRRDWY ALIGNMENT: 6-SATISFACTORY			COMMENTS:			
RATING : 05/18/2001						
***RAILING AND APPROACH PAVEMENT COMPONENTS AND RATINGS***						
[ITEM 36A] BRIDGE RAILING RATING: DOESNT MEET CURRNT STND-0			RATING : 01/26/2009		COMMENTS:	
<u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>DIRECTION</u>	<u>COMMENTS</u>			
REINFORCED CONCRETE	CURB	BOTH				
REINFORCED CONCRETE	BALUSTER	BOTH				
[ITEM 36B] TRANSITION RAILING RATING: NOT PROVIDED-0			RATING : 05/18/2001		COMMENTS:	
[ITEM 36C] APPROACH RAILING RATING: NOT PROVIDED-0			RATING : 05/18/2001		COMMENTS:	
[ITEM 36D] RAIL END TREATMENT RATING: NOT PROVIDED-0			RATING : 05/18/2001		COMMENTS:	
Design_No = K0358						
Page 2						
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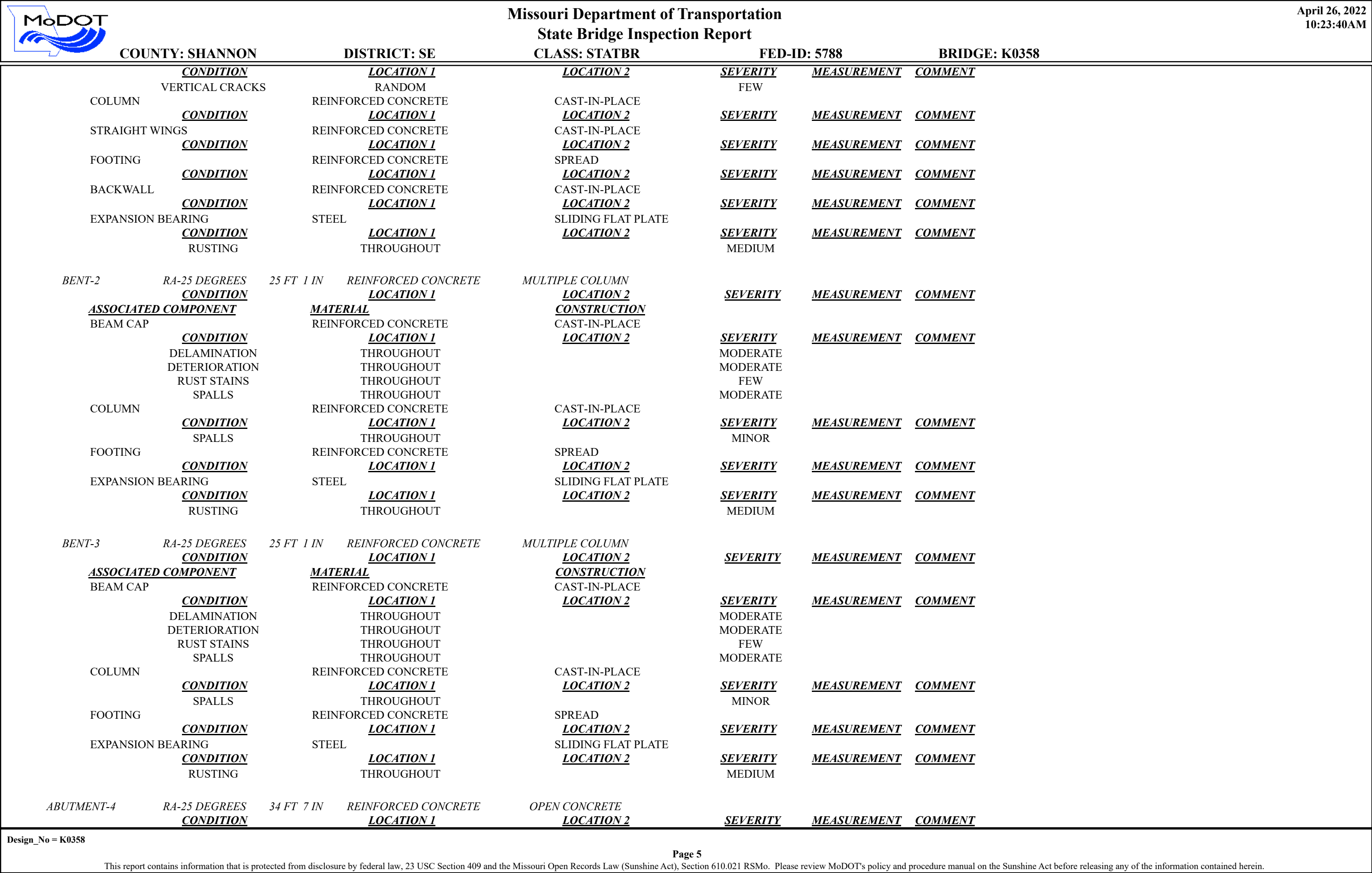
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COUNTY: SHANNON		DISTRICT: SE		CLASS: STATBR		FED-ID: 5788	
				BRIDGE: K0358			
APPROACH PAVEMENT: *Overall condition assigned for each approach pavemenet component is shown below.							
<u>MATERIAL</u>		<u>CONSTRUCTION</u>		<u>DIRECTION</u>		<u>CONDITION*</u>	
ASPHALT		BITUMINOUS MAT		BOTH		GOOD	
<u>COMMENTS</u>							
(HOPPED, 12/19/2012)--CHIP SEAL							
***DRAINAGE, EXPANSION DEVICES, BANK/SLOPE, AND DECK PROTECTIVE COMPONENTS***							
<u>DECK PROTECTIVE COMPONENTS:</u>							
<u>SERIES TYPE-#</u>		<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>	
MAIN SERIES-1		WEARING SURFACE		ASPHALT		BITUMINOUS MAT	
						<u>THICKNESS</u>	
						1 IN	
						<u>YEAR APPLIED</u>	
						2016	
						<u>MANUFACTURE</u>	
						<u>OVERALL CONDITION</u>	
						GOOD	
<u>COMMENT:</u>							
		DECK PROTECTION		NOTAPPLICABLE		NONE	
<u>COMMENT:</u>							
		MEMBRANE		NOTAPPLICABLE		NONE	
<u>COMMENT:</u>							
<u>DRAINAGE COMPONENTS:</u>							
		<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>	
		DRAINAGE		REINFORCED CONCRETE		CURB OUTLET	
						<u>DIRECTION</u>	
						<u>COMMENTS</u>	
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>		<u>SEVERITY</u>	
DETERIORATION		THROUGHOUT				SEVERE	
						<u>COMMENT</u>	
<u>EXPANSION DEVICE COMPONENTS:</u>							
<u>SUB UNIT-#</u>		<u>SUB LABEL</u>		<u>COMPONENT</u>		<u>MATERIAL</u>	
						<u>CONSTRUCTION</u>	
						<u>GAP</u>	
						<u>YEAR APPLIED</u>	
						<u>MANUFACTURE</u>	
						<u>OVERALL CONDITION</u>	
<u>COMMENT:</u>							
<u>BANK/SLOPE PROTECTION COMPONENTS:</u>							
		<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>	
		BANK PROTECTION		ROCK		RIP RAP	
						<u>DIRECTION</u>	
						BOTH	
						<u>COMMENTS</u>	
***DECK COMPONENTS***							
<u>SPAN TYPE-#</u>		<u>COMPONENT</u>		<u>MATERIAL</u>		<u>CONSTRUCTION</u>	
MAIN SPANS-1		DECK		REINFORCED CONCRETE		CAST-IN-PLACE	
						<u>COMMENTS</u>	
<u>CONDITION</u>		<u>LOCATION 1</u>		<u>LOCATION 2</u>		<u>SEVERITY</u>	
DETERIORATION		EDGE				HEAVY	
EFFLORESCENCE		THROUGHOUT				MODERATE	
FULL DEPTH PATCHES		THROUGHOUT				FEW	
PATCHES		DRIVING SURFACE				MANY	
REBAR EXPOSED		RANDOM				MINOR	
REBAR SECTION LOSS		RANDOM				MINOR	
SATURATION		THROUGHOUT				MINOR	
TRANSVERSE CRACKS		THROUGHOUT				MANY	
						30 %	
MAIN SPANS-2		DECK		REINFORCED CONCRETE		CAST-IN-PLACE	

Design\_No = K0358

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# Missouri Department of Transportation

## State Bridge Inspection Report

**April 26, 2022**  
**10:23:40AM**

**COUNTY: SHANNON**

**DISTRICT: SE**

**CLASS: STATBR**

**FED-ID: 5788**

**BRIDGE: K0358**

<u>ASSOCIATED COMPONENT</u>	<u>MATERIAL</u>	<u>CONSTRUCTION</u>			
BEAM CAP	REINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
DETERIORATION	TOP		MODERATE		(BLALOR1, 01/08/2013)--@ BEARINGS
COLUMN	REINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
STRAIGHT WINGS	REINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
FOOTING	REINFORCED CONCRETE	SPREAD			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
BACKWALL	REINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
EXPANSION BEARING	STEEL	SLIDING FLAT PLATE			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
RUSTING	THROUGHOUT		MEDIUM		

**\*\*\*OVER/UNDER ROUTES CLEARANCE INFORMATION\*\*\***

## CLEARANCES OVER DECK

**\*\*NOTE:** Vertical clearances for permitting purposes are taken as 2 inches less than the actual field measured clearance.

<u>VERTICAL CLEARANCE TYPE**</u>	<u>VALUE</u>	<u>DIRECTION</u>	<u>DATE</u>	<u>COMMENT</u>
----------------------------------	--------------	------------------	-------------	----------------

### CLEARANCES UNDER BRIDGE

**\*\*NOTE:** Vertical clearances for permitting purposes are taken as 2 inches less than the actual field measured clearance.


<u>RECORD #</u>	<u>ROUTE</u>	<u># LANES</u>	<u>DIRECTION OF TRAFFIC</u>	<u>RIGHT LATERAL CLEARANCE</u>	<u>LEFT LATERAL CLEARANCE</u>	<u>UR-ID</u>
<u>VERTICAL CLEARANCE TYPE**</u>	<u>VALUE</u>	<u>DIRECTION</u>	<u>DATE</u>	<u>COMMENT</u>		

### \*\*\*STRUCTURE PAINT INFORMATION\*\*\*

**Design\_No = K0358**

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						BRIDGE: K0358																																										
CONDITION: GOOD		RUST AMOUNT : 8=.1% OF SURFACE RUSTED		STEEL TONS : 45																																												
<u>ORIGINAL PAINT</u>		<u>CONTRACT REPAINT</u>		<u>DEPARTMENT REPAINT</u>																																												
PAINT TYPE :		PAINT TYPE :		PAINT TYPE : C SYSTEM		MANUFACTURE :																																										
NAME :		NAME :		NAME : INORGANIC ZINC/VINYL		SURFACE PREP :																																										
PAINT COLOR :		PAINT COLOR :		PAINT COLOR : ALUMINUM																																												
PAINT YEAR :		PAINT YEAR :		PAINT YEAR : 1996																																												
MILS :		MILS :		MILS : 8																																												
***REQUESTED WORK ITEMS***																																																
GENERAL WORK COMMENTS:																																																
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2024	9P3687	0	2024	REPLACE BRIDGE																																												
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<div>NOTE: The items listed in this section are updated whenever computer edits are ran on a structure after the inspection updates have been entered in to TMS.</div> <table><tr><td><u>Rated Item</u></td><td><u>Rating</u></td><td><u>Rating Date</u></td></tr><tr><td>[Item 67] Structure Evaluation Rating:</td><td>4-MEETS MINIMUM TOLERABLE</td><td>3/25/2002</td></tr><tr><td>[Item 68] Deck Geometry Rating:</td><td>3-BASICALLY INTOL CORRECT</td><td>12/17/2018</td></tr><tr><td>[Item 69] Underclearance:</td><td>N-NOT APPLICABLE</td><td>5/18/2001</td></tr><tr><td>Sufficiency Rating:</td><td>28.0%</td><td>12/19/2018</td></tr><tr><td>Deficiency:</td><td>STRUCTURAL</td><td>12/19/2018</td></tr><tr><td>Funding Eligibility:</td><td>FULL</td><td>----</td></tr><tr><td>Estimated New Structure Length:</td><td>5,180 FT.</td><td>----</td></tr><tr><td>Estimated Structure Cost:</td><td>\$661,086</td><td>----</td></tr><tr><td>Estimated Total Project Cost:</td><td>\$991,629</td><td>----</td></tr><tr><td>Year of Cost Estimate:</td><td>2022</td><td>----</td></tr></table> <div>NOTE: The above structure length and cost estimates are computer generated using algorithms in the TMS system. These algorithms are generalized to use NBI items to come up with a new structure length and width to calculate a new area which is taken times a representative cost per square foot. The actual structure size and cost may vary significantly from these numbers once site specific engineering is done.</div>					<u>Rated Item</u>	<u>Rating</u>	<u>Rating Date</u>	[Item 67] Structure Evaluation Rating:	4-MEETS MINIMUM TOLERABLE	3/25/2002	[Item 68] Deck Geometry Rating:	3-BASICALLY INTOL CORRECT	12/17/2018	[Item 69] Underclearance:	N-NOT APPLICABLE	5/18/2001	Sufficiency Rating:	28.0%	12/19/2018	Deficiency:	STRUCTURAL	12/19/2018	Funding Eligibility:	FULL	----	Estimated New Structure Length:	5,180 FT.	----	Estimated Structure Cost:	\$661,086	----	Estimated Total Project Cost:	\$991,629	----	Year of Cost Estimate:	2022	----	<table><tr><td>SIGN #</td><td>SIGN TYPE</td><td>PROBLEM</td><td>PROBLEM DIRECTION</td></tr><tr><td>1</td><td></td><td></td><td></td></tr></table>			SIGN #	SIGN TYPE	PROBLEM	PROBLEM DIRECTION	1			
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